Title (en)
SYSTEM AND METHOD FOR LOCATING A TARGET WITH A NETWORK OF CAMERAS

Title (de)
SYSTEM UND VERFAHREN ZUM LOKALISIEREN EINES ZIELS MIT EINEM NETZ VON KAMERAS

Title (fr)
SYSTEME ET PROCEDE DE LOCALISATION DE CIBLE PAR UN RESEAU DE CAMERAS

Publication
EP 2419882 B1 20180613 (FR)

Application
EP 10723703 A 20100419

Priority
• FR 2010050751 W 20100419
• FR 0901880 A 20090417
• FR 0904714 A 20091002

Abstract (en)
[origin: WO2010119231A1] The present invention relates to a system, a method and an intelligent camera for following at least one target (X) with at least one intelligent camera (S) comprising means (S1) for processing data implementing at least one algorithm (AS, AD, AF) for following target(s), means (S2) for acquiring images and means (S21) for communication, characterized in that a detection of at least one target (X) in the region (Z) covered, by virtue of at least one algorithm (AD) for detection at an initial instant, is followed, for each instant (t), by an iteration of at least one step of following the target (X) with at least one camera, termed an active camera, by virtue of at least one variational filtering algorithm (AF) based on a variational filter by estimation (551) of the position of the target (X) through a continuous mixture of Gaussians.

IPC 8 full level
G06T 7/20 (2017.01); **G06K 9/00** (2006.01); **G08B 13/194** (2006.01)

CPC (source: EP US)
G06T 7/277 (2016.12 - EP US); **G06V 20/52** (2022.01 - EP US); **G08B 13/19608** (2013.01 - EP US); **G08B 13/19645** (2013.01 - EP US); G06T 2207/10016 (2013.01 - EP US); G06T 2207/30232 (2013.01 - EP US)

Citation (examination)
"Automated Multi-Camera Surveillance: Algorithms and Practice", vol. 10, 1 January 2008, SPRINGER US, Boston, MA, ISBN: 978-0-387-78881-4, ISSN: 1571-5205, article OMAR JAVED ET AL: "Automated Video Surveillance and Tracking in Multiple Cameras with Disjoint Views", XP055359366

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2010119231 A1 20101021; CN 102460512 A 20120516; EP 2419882 A1 20120222; EP 2419882 B1 20180613; FR 2944629 A1 20101022; FR 2944629 B1 20170120; FR 2944630 A1 20101022; FR 2944630 B1 20151030; JP 2012524439 A 20121011; US 2012147191 A1 20120614; WO 2010119232 A1 20101021

DOCDB simple family (application)
FR 2010050751 W 20100419; CN 201080027439 A 20100419; EP 10723703 A 20100419; FR 0901880 A 20090417; FR 0904714 A 20091002; FR 2010050752 W 20100419; JP 2012505211 A 20100419; US 201013264711 A 20100419